

FIG. 1 RELATED ART

• SWITCHING REGULATOR

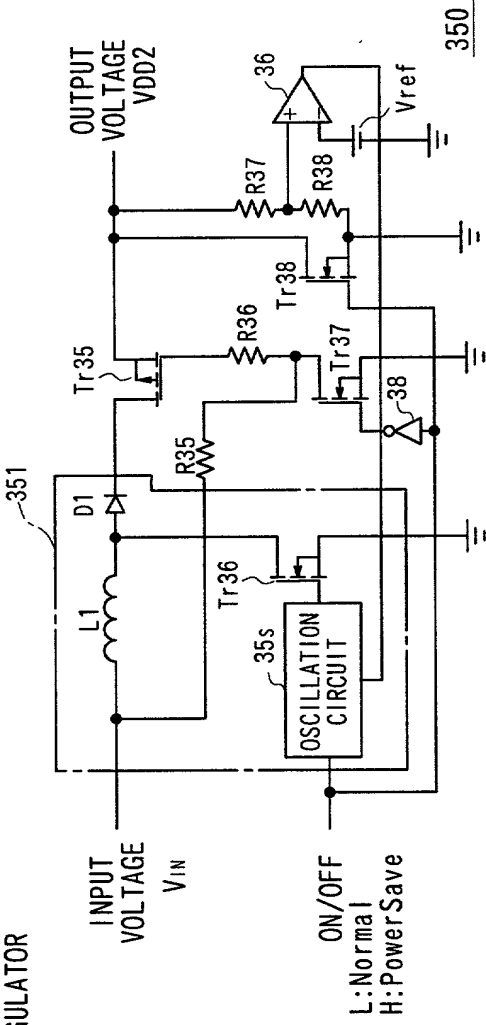


FIG. 2A RELATED ART

• CHARGE PUMP TYPE

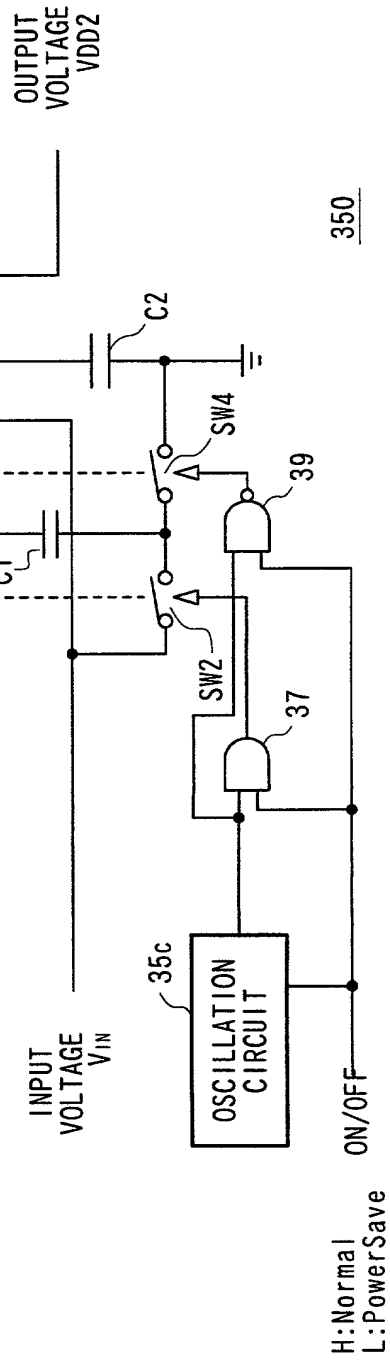


FIG. 2B RELATED ART

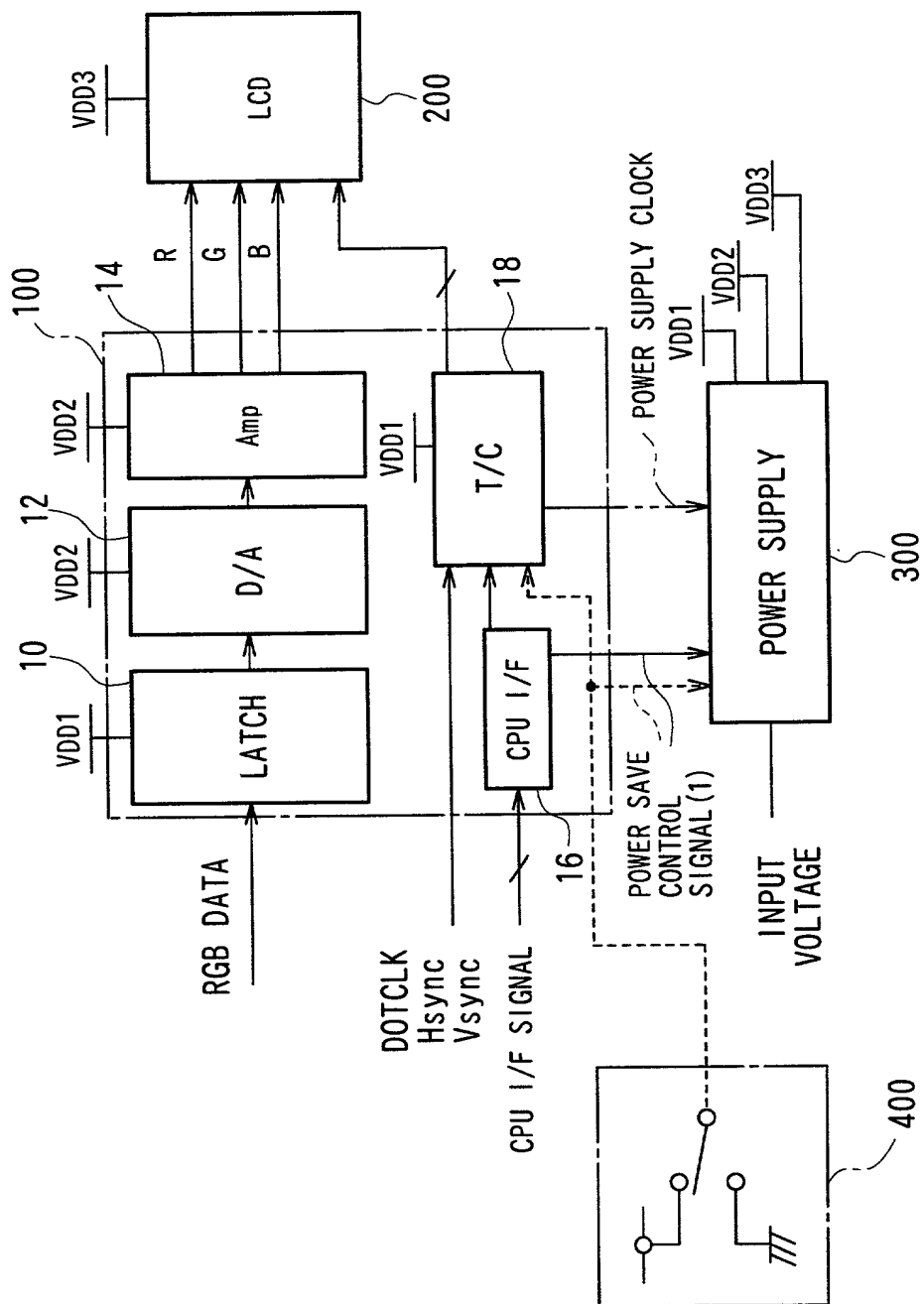


FIG. 3

[illegible]

FIG. 5 is a schematic diagram of a charge pump circuit 300. The circuit includes an input voltage, an output voltage VDD2, and a power save control signal 2. The circuit is divided into two main sections: a charge pump section 303 and a control section 30c. The charge pump section 303 includes four switches (SW1, SW2, SW3, SW4) and two capacitors (C1, C2). The control section 30c includes an oscillation circuit, two AND gates (32, 33), and a buffer (34). The circuit is controlled by a power save control signal 2, which can be in a normal state (H) or a power save state (L).

• CHARGE PUMP TYPE

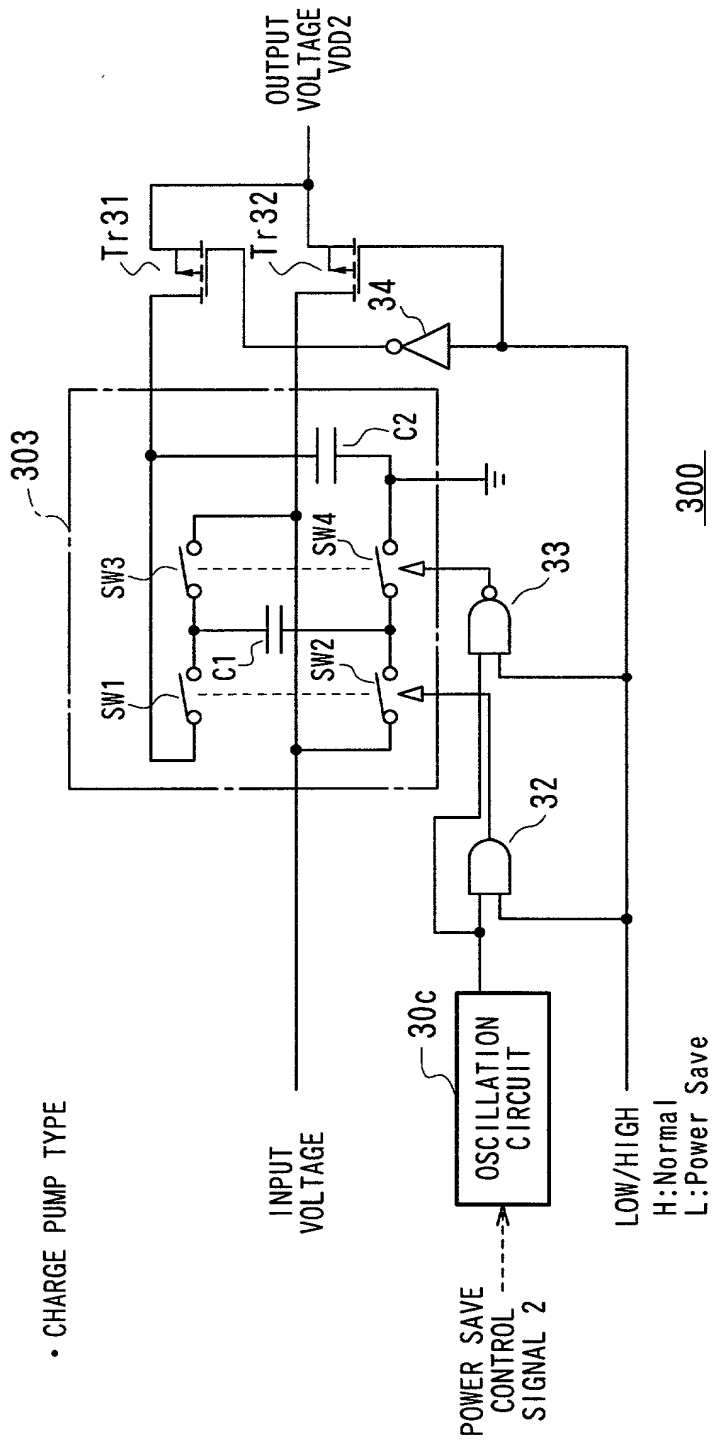


FIG. 5

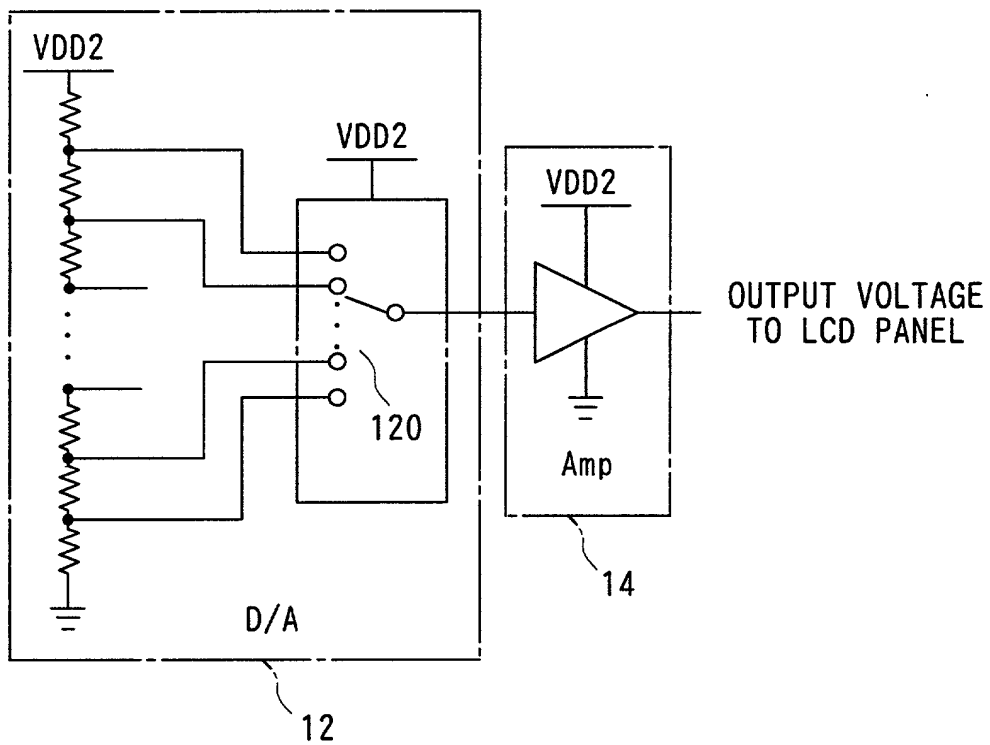


FIG. 6

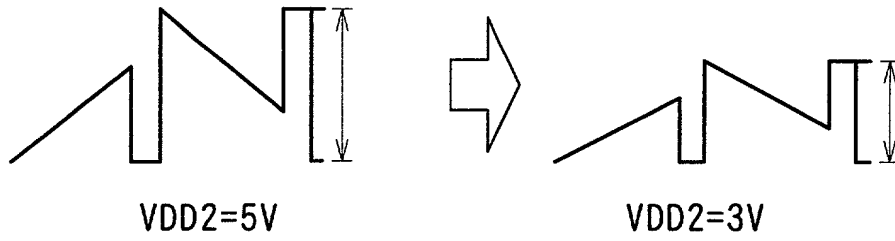


FIG. 7

which	about	more	with	from	near	near
in it	that	and	at	both	with	it
the	last	three	cent	at	from	x ²
(ii)	both	rough	from	at	both	within



F/G. 8

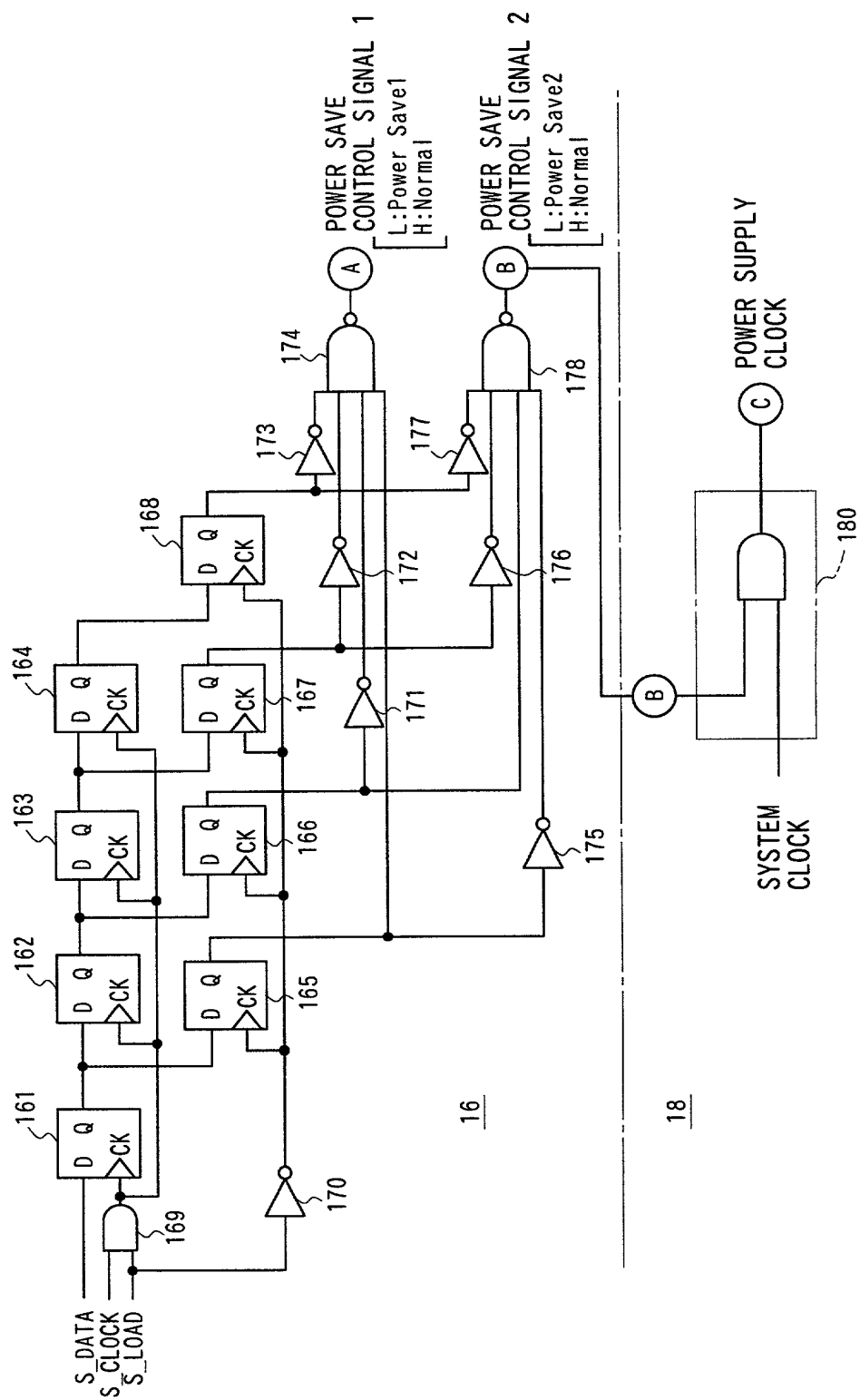


Fig. 9

POWER SAVE MODE 2 IS ACTIVATED BY
DATA 0001 (4BITS)

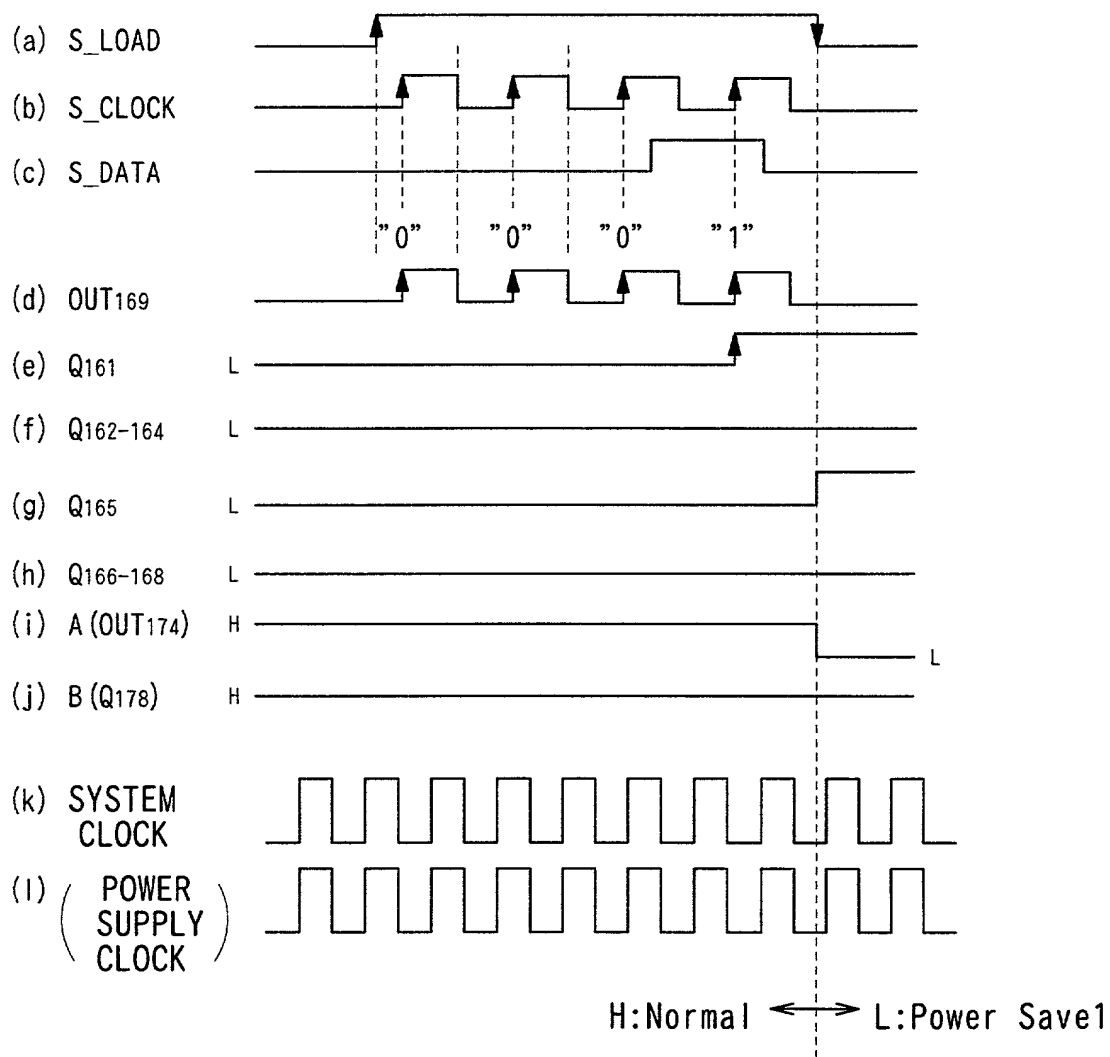


FIG. 10

POWER SAVE MODE 2 IS ACTIVATED BY
DATA 0010 (4BITS)

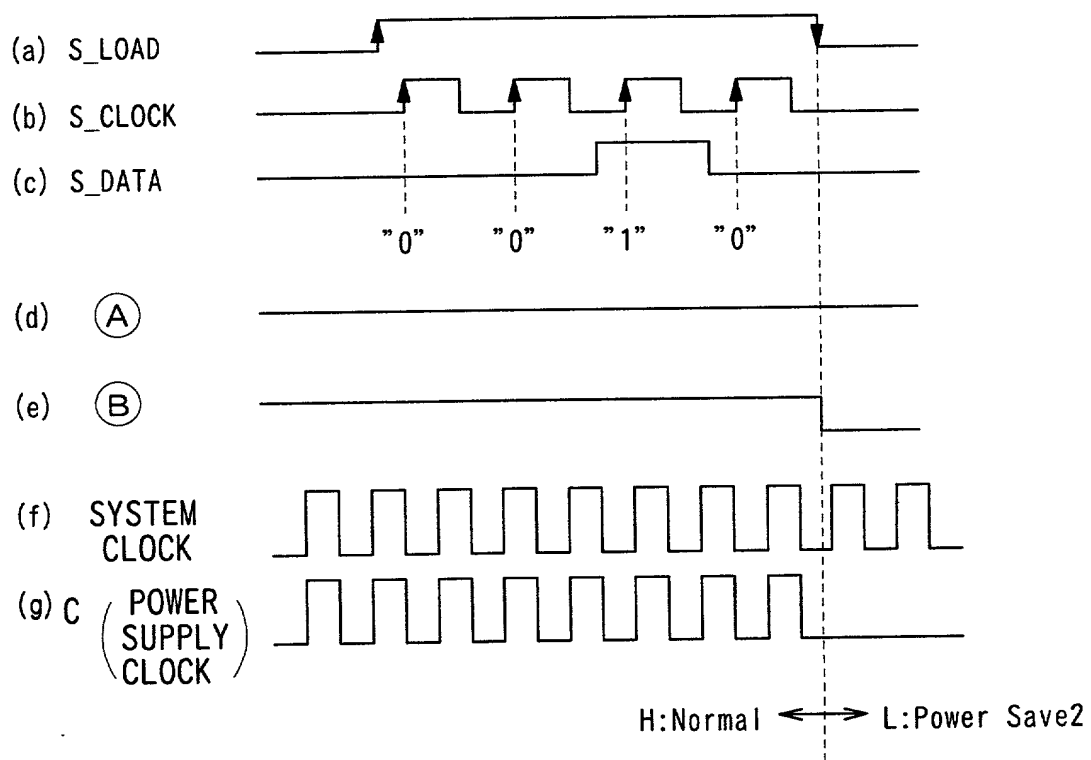


FIG. 11